

**Submission Id:** 1620051

**Category:** Technology Products

**Contract Number:** BA-2012-RO-007-IT

**Contract Title:** Fuel System Pump Dispensing System

**Description:**

This Request for Information (RFI) is designed to seek information regarding available options for fuel dispensing as well as usage monitoring and security.

Responders must comply with NYSBA's Affirmative Action Policy including all MBE/WBE goals

**Minority Sub-Contracting Goal:** %

**Women Owned Sub-Contracting Goal:** %

**Due Date:**

3/16/2012 4:00 PM

**Contract Term:**

Informational

**Location:**

New York State Bridge Authority,  
Highland, New York 12528

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# **NEW YORK STATE BRIDGE AUTHORITY**

## **REQUEST FOR INFORMATION**

### **Fuel System Pump Dispensing System**



**Request Issued:**

**Information Due:**

# Fuel System Information Request

## **Table of Contents**

- 1. Introduction**
  - 1.1 Level of Service
- 2. NYSBA Background Information**
  - 2.1 Background
  - 2.2 Description of Current Fuel System
- 3. Desired Information**
- 4. Established Standards and Desired Functionality**

### **1. Introduction**

This Request for Information (RFI) is designed to seek information regarding available options for fuel dispensing as well as usage monitoring and security. The information gathered from this request will be used to formulate a Request For Proposal (RFP) to allow the Authority to select a contractor for the installation of a new fuel system.

#### **1.1 LEVEL OF SERVICE**

The Authority operates 24 hours a day, 365 days a year. As such, fuel must be available during all hours to allow the Authority to accomplish various tasks.

### **2. NYSBA BACKGROUND INFORMATION**

The New York State Bridge Authority is a Public Benefit Corporation created in 1932 and existing pursuant to Title 2 of Article 3 of the Public Authorities Law, Chapter 430a of the Consolidated Laws of the State of New York, as amended. This act provides that the Authority shall continue its corporate existence and operate and maintain its designated bridge facilities so long as it shall have bonds or other obligations outstanding and until its existence shall be terminated by Law.

The Authority consists of a seven-member board appointed by the Governor of the State of New York with the advice and consent of the New York State Senate, to serve for terms of five (5) years each.

The Authority operates and maintains five (5) bridge facilities from its administrative offices in Highland, New York.

<u>Bridge</u>	<u>Routes</u>	<u>Service Area</u>
Rip Van Winkle	NY 23	Northern Catskill Area
Kingston-Rhinecliff	US 209, NY 199	Kingston, Northern Catskill
Mid-Hudson	US 44, NY 55	Poughkeepsie, Dutchess and Ulster Counties, Southern Catskills
Newburgh-Beacon	I-84	Newburgh, Orange and Dutchess Counties, Southern Catskills, Interstate System between New England and points west and south
Bear Mountain	US 6, US 202	Westchester, Orange and Northern Rockland Counties, Southern Catskills

These five bridges contain the capacity to operate 23 toll lanes for eastbound traffic.

## **2.2 Description of Current Fuel System**

The current fuel system is manufactured by Gasboy. A single pump is installed at each of the 5 facilities and dispenses both gasoline and diesel fuel. The pumps are approximately 18 years old and showing signs of wear.

Monitoring of fuel usage is accomplished with a Gasboy Series 1000 FleetKey System. This system is 10 years old and is experiencing compatibility issues with the Authority's computer systems. In addition, hardware at the pump location has been experiencing a higher rate of failure over the past year. Replacement parts for the system are in short supply.

The system utilizes a key/pin code authentication for dispensing fuel. A coded key is assigned to each vehicle and a pin is assigned to individuals who have a need to dispense fuel. The key is inserted into a pedestal next to the pump, the user enters their pin number and selects the type of fuel to be dispensed. If both the key and the pin are properly authorized, the pump is turned on and fuel may be dispensed. A limit to the number of gallons or the type of fuel can be programmed into the key or pin number.

Fuel usage is pulled from the systems at each bridge over the Authority's wide area network by a computer located in the Operations Building on the Mid-Hudson Bridge campus nightly. Data is

stored in a Microsoft Access 97 database and custom written reports are available. The wide area network is Ethernet based.

There are approximately 150 vehicle keys and 150 users on the current system.

### **3 Desired Information**

The Authority would like to receive information on system and features available in today's market to replace hardware and software and potentially enhance functionality provided by the current fuel system. A retail price should be included for system components and an estimated installation time frame provided to assist the Authority in determining a budgetary place holder. The currently installed fuel pumps have reached their end of life and it is anticipated that these will be replaced as part of the project. The fuel tanks are inspected on a regular basis and have been found to be in very good condition. Fuel tanks are above ground at each facility.

### **4 Established Standards and Desired Functionality**

The Authority would like to, at a minimum, retain the current controls over fuel usage. A key/pin system is not a requirement if a two part security system of equal or greater functionality is available.

Microsoft Access or SQL is the preferred database platform. The ability to create custom reports quickly against the database is desired. The database should allow access from Microsoft Access based forms.

Fuel Pump and Access Pedestal will need to fit the current footprint of installed equipment.

Reports: The following reports are currently in use at the Authority:

- Amount of fuel dispensed to specific vehicle during specified time frame
- Amount of fuel dispensed by user over specified time frame
- Amount of fuel dispensed at facility over specified time frame
- Amount of fuel received from supplier over specified time frame or specific delivery
- Report showing all transactions
- Report showing transaction that exceed defined thresholds. (transactions with higher than normal gallons pumped)

The system should have the ability to add vehicles and users from a central point of administration and distribute the information to the Authority's five facilities utilizing a wide area Ethernet network.